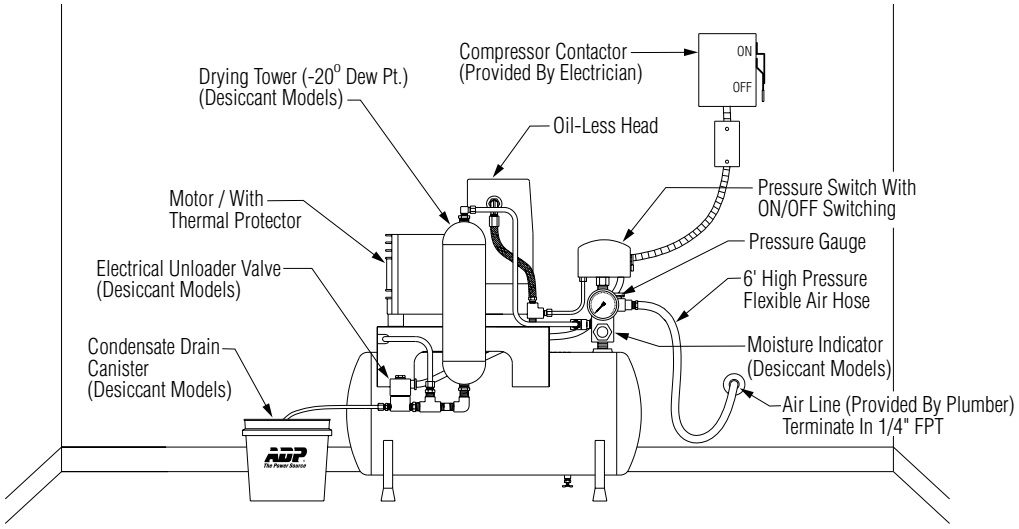
Installation Instructions

"ACE" Compressor



Description:

This dental compressor should be installed by qualified personnel. Should any questions arise during the installation, call ADP Technical Support between the hours of 6:00 a.m. to 4:30 p.m. (Pacific Standard Time).

Installation:

Place the compressor in a clean, dry, well ventilated area, on a solid, level surface. Consider sound level and insulate as needed. Be sure that adequete ventilation is available, as the compressor is air-cooled. Ambient temperature in the equipment room should be within the temperature range of 40 degrees Fahrenheit (4° C) minimum and to 100 degrees Fahrenheit (38° C) maximum.

1. Remove the cardboard shipping carton.
2. Remove compressor from shipping skid.
3. Remove installation kit attached to pallet. It should contain the following:
   (4) Rubber Feet
   (1) 6' Flexible Hose
   (1) Condensate Drain Canister Kit (Desiccant Models Only)
4. Install rubber feet to tank legs.
5. Install Flexible hose to outlet of the compressor shut-off valve.
6. Install Flexible hose to office air supply line.
7. Install Condensate Drain Canister tubing to fitting left of unloader valve (Desiccant Models).
8. Wiring instructions:
   (A) Using the open conduit connection provided on the connect field wiring: Black wire to Black pigtail wire and White pigtail wire.
   See Recommended Wire and Breaker Size Chart.

Recommended Wire & Breaker Size:

Model	Voltage	Amperage	KVA	HZ	Wire Size (Gauge)	Recommended Breaker Size
Single Head Compressors						
ACE11, ACE11D	115	10	1.15	50/60	14	20
ACE12, ACE12D	230	5	1.15	50/60	14	15
ACE21, ACE21D	115	16	1.84	60	12	30
ACE22, ACE22D	230	8	1.84	60	14	15
ACE2F	230	7.6	1.67	50	14	15

Start-Up:

1. Make sure the **shut-off valve** from storage tank is **closed**.
2. Turn power **"ON"**. Compressor should run quietly and the storage tank should begin to pressurize.
3. The compressor will run until the storage tank gauge registers 100 psi. The compressor will then automatically shut-off by means of the pressure switch.
4. Using soapy water, check the compressor plumbing joints for leaks that may have arisen during shipment.
5. Pressure test the office air system piping for leaks. Use the storage tank pressure gauge to monitor line pressure drop. Open the shut-off valve slowly and allow air to flow into the office air system. When the office air line has pressurized, after twenty to thirty seconds, note the storage pressure gauge reading. After ten minutes, check the storage tank gauge reading. If the storage pressure gauge registers a lower reading, an air leak exists. Locate the leak(s) and repair.

Seal All Air Leaks!
Air Leaks Are The Main Cause Of Compressor Failures!

6. Complete and mail in the warranty card for the compressor within **ten** days of installation to effect warranty.